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P/3240-65

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Hermann Pirker

Date: November 22, 2002

Serial No.: 10/009,410

Group Art Unit: --

Filed: June 14, 2002

Examiner: --

For: PROCESS FOR CONDITIONING SLAGS, AND INSTALLATION FOR THIS  
PROCESS

Hon. Commissioner of Patents

and Trademarks

Office of Initial Patent Examination's

Filing Receipt Corrections

Washington, DC 20231

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REQUEST FOR A CORRECTED FILING RECEIPT

Sir:

Please issue a corrected filing receipt for the above application. The original filing receipt includes the following error(s):

The inventor's address is wrong. Please change it to read: -  
- Austria --.

The priority date is incorrect. The correct priority date is May 12, 2000.

The title of the invention is incorrect. Please change it to read: -- PROCESS FOR CONDITIONING SLAGS, AND INSTALLATION FOR THIS PROCESS --.

A copy of the declaration setting forth the correct title is enclosed. Also, a copy of the front page of the PCT publication showing the correct priority date and a copy of the filing receipt showing the changes in red is enclosed.

It is requested that the U.S. Patent and Trademark Office issue a corrected filing receipt at the earliest possible date.

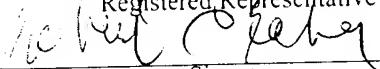
In the event payment of any fee is inadvertently not

enclosed, or if any additional fee during the prosecution of this case is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Hon. Commissioner of Patents and Trademarks, Washington, DC 20231 on November 22, 2002:

Robert C. Faber

Name of applicant, assignee or  
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Signature

November 22, 2002

Date of Signature

RCF:jgd

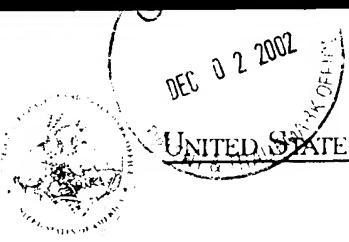
Respectfully submitted,

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/009,410	06/14/2002	1742	1038	P/3240-65	3	21	1

CONFIRMATION NO. 5815

2352  
OSTROLENK FABER GERB & SOFFEN  
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NEW YORK, NY 100368403

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Date Mailed: 09/18/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Austria

Hermann Pirker, Steyregg, AUSTRALIA;

## Domestic Priority data as claimed by applicant

12

THIS APPLICATION IS A 371 OF PCT/EP00/04304 05/11/2000

## Foreign Applications

AUSTRIA A 1011/99 06/08/1999

If Required, Foreign Filing License Granted 09/18/2002

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

Non-Publication Request: No

Early Publication Request: No

Title

Process for conditioning Slags, and installation  
for this process.

Method for conditioning slag with the addition of metallurgical residual materials and an  
installation for the same

Preliminary Class

075

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Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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OFCS FILE NO P/32410-65

PATENTS ORDERED	GES

RCF

DEC 9 2002  
DEUTSCHES PATENT- UND MARKENBLATT

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES  
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum  
Internationales Büro



(43) Internationales Veröffentlichungsdatum  
14. Dezember 2000 (14.12.2000)

PCT

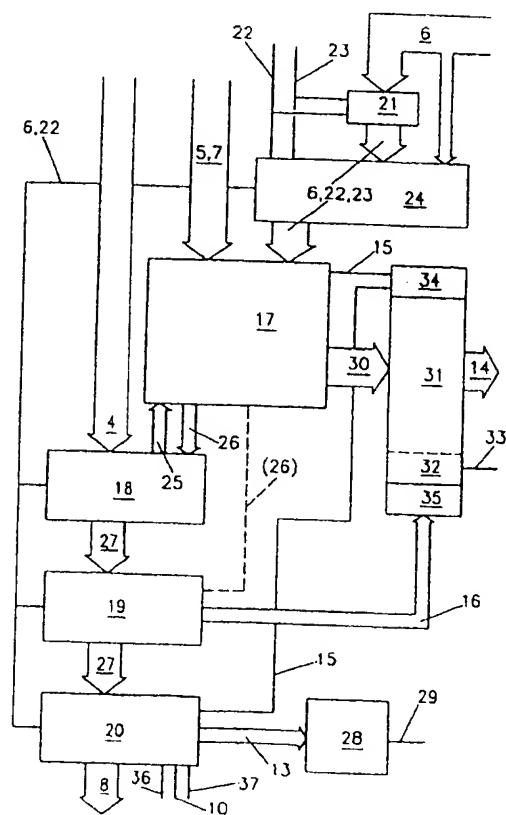
(10) Internationale Veröffentlichungsnummer  
**WO 00/75385 A1**

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- (21) Internationales Aktenzeichen: PCT/EP00/04304
- (22) Internationales Anmeldedatum: 12. Mai 2000 (12.05.2000)
- (25) Einreichungssprache: Deutsch
- (26) Veröffentlichungssprache: Deutsch
- (30) Angaben zur Priorität:  
A 1011/99 8. Juni 1999 (08.06.1999) AT
- (71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme von US): VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH [AT/AT]; Turmstrasse 44, A-4020 Linz (AT).
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- (74) Anwalt: RIEBERER, Stefan; VA TECH Patente GmbH, Stahlstrasse 21a, A-4020 Linz (AT).
- (81) Bestimmungsstaaten (national): CA, US, ZA.

[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD FOR CONDITIONING SLAG WITH THE ADDITION OF METALLURGICAL RESIDUAL MATERIALS AND AN INSTALLATION FOR THE SAME

(54) Bezeichnung: VERFAHREN ZUR SCHLACKENKONDITIONIERUNG MIT EINBRINGEN VON HÜTTENRESTSTOFFEN SOWIE ANLAGE HIERZU



(57) Abstract: The invention relates to a method for conditioning slag (17) and for recycling metallurgical residual materials in the iron and steel industry, in order to profitably utilise the slag (5, 7) and residual materials (6) which are produced at an iron and steel works. The method consists of the following stages: collecting and treating the liquid slag (5) of at least one tapping of a blast furnace and additional metallurgical slag (7) from a steel works in a slag-conditioning vessel (17); introducing metallurgical residual materials (6), preferably all said materials (6) and slag (25) from a pig-iron pre-treatment (18) into the slag-conditioning vessel; injection blowing reducing agents (23) into the slag-conditioning vessel for finishing the reaction of the added materials; introducing carbon (23) for alloying up the reduced iron from the iron-bearing residual materials (6); mixing the melts (26, 30) contained in the slag-conditioning vessel by injection blowing a circulation gas; heating the melts contained in the slag-conditioning vessel to the desired temperature or maintaining said melts at a specific temperature; adjusting the slag melt (30) contained in the slag-conditioning vessel to a desired composition, by introducing additives (22); tapping the conditioned-slag melt (30) and tapping the iron-bearing melt (26) without slag.

(57) Zusammenfassung: Um die in einem Hüttenwerk anfallenden Schlacken (5, 7) und Reststoffe (6) rentabel zu verwerten, wird bei einem Verfahren zur Schlackenkonditionierung (17) und zum Hüttenreststoffrecycling in der Eisenhüttenindustrie wie folgt vorgegangen: Zusammenführen und Behandeln der Schlacke (5) mindestens eines Abstiches eines Hochofens in flüssigem Zustand und von sonstigen

**WO 00/75385 A1**

[Fortsetzung auf der nächsten Seite]